Notice of Allowability	Application No.	Applicant(s)	
	09/886,516	COLLINS ET AL.	
	Examiner	Art Unit	
	Bing Q Bui	2642	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate comming GHTS. This application is	n this application. If not included unication will be mailed in due course. 1	
1. This communication is responsive to <u>Jun 21, 2001</u> .			
2. The allowed claim(s) is/are <u>1-8, 11, 9-10 and 12-31 (renum</u>	bered as 1-31, respectivel	<u>()</u> .	
3. The drawings filed on are accepted by the Examine	r.		
 Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	been received. been received in Applicati	on No	the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requiremen	ts
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give)F
 CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date 	on's Patent Drawing Revie		
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in t			
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	Sit of BIOLOGICAL MAT FOR THE DEPOSIT OF BI	ERIAL must be submitted. Note the OLOGICAL MATERIAL.	
		1	
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☑ Notice of Draftperson's Patent Drawing Review (PTO-948) 	6. Interview S	nformal Patent Application (PTO-152) ummary (PTO-413),	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 02/20/03 and 12/29/03	8), 7. Examiner's	/Mail Date Amendment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	9. ☐ Other	Statement of Reasons for Allowance	

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-8, 11, 9-10 and 12-31 (renumbered as 1-31, respectively) are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

The invention as now claimed is not disclosed or rendered obvious in view of the prior art of record. As to claims 1, 14 and 24, the prior art of record fails to teach or suggest, alone or in combination, the recited system and method that include the limitation of converting the received signal and a sample of the transmitted signal to digital form; tracking variations in delay, frequency offset and frequency dependent gain and phase variation between the interfering signal and the sample of the transmitted signal to produce a compensating signal in combination with the limitation of combining the compensating signal and the received signal to cancel the interfering signal and produce the signal of interest as set forth in the recited claims.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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The following patents are cited to further show the state of the art in general:

U.S. Pat. No. 4,439,769

U.S. Pat. No. 4,670,885

U.S. Pat. No. 4,989,262

U.S. Pat. No. 5,974,301

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bing Bui whose telephone number is (703) 308-5858. The examiner can normally be reached on Monday through Thursday from 7:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on (703) 305-4731. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306 and for formal communications intended for entry (please label the response

EXPEDITED PROCEDURE) or for informal or draft communications not intended for entry (please label the response "PROPOSED" or "DRAFT").

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Sep. 19, 2004

BING Q. BUI PRIMARY EXAMINER